

**ALTAMAHA RIVER BASIN
2004 Water Year**

02203603 SOUTH RIVER AT SPRINGDALE ROAD, AT ATLANTA, GA

LOCATION.—Lat 33°41'02", long 84°24'55" referenced to North American Datum (NAD) of 1983, Fulton County, Hydrologic Unit Code 03070103, at bridge on Springdale Road, 0.2 miles north of Cleveland Avenue, 0.3 miles west of Interstate 85, and 0.9 miles south of Interstate 285.

DRAINAGE AREA.—2.25 square miles.

COOPERATION.—City of Atlanta.

PERIODIC WATER-QUALITY RECORDS

PERIOD OF RECORD.—August 27, 2003 to current year.

REMARKS.—Medium code 9 indicates a surface water sample. Medium code 1 indicates a suspended sediment sample. Samples without a medium code are surface water samples. Hydrologic event 9 indicates a routine sample while J designates a storm event sample. Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses with analyzing code 81350 are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of discharge, specific conductance, pH, water temperature, turbidity, and dissolved oxygen are by the U.S. Geological Survey.

ALTAMAHA RIVER BASIN
2004 Water Year

02203603 SOUTH RIVER AT SPRINGDALE ROAD, AT ATLANTA, GA—continued.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Medium code	Hydro-logic event	Agency analyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	Turb-idity, light, 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of saturation (00301)	pH (00400)	Specif. water, unftrd field, std units (00400)	Conduc-tance, wat unf uS/cm (00095)	Temper-ature, water, deg C (00010)
OCT														
21...	1010	9	9	81345	3.48	1.7	7.7	--	9.8	--	4.7	321	16.0	
21...	1030	9	9	81345	3.48	1.7	8.3	--	9.8	--	4.7	344	16.0	
JAN														
13...	0900	9	9	81345	3.52	1.9	13	--	12.8	--	5.8	282	8.0	
13...	0910	9	9	81345	3.52	1.9	12	--	12.4	--	5.8	281	8.0	
27...	1500	9	9	81345	3.54	2.5	10	739	11.0	97	6.6	236	8.5	
27...	1515	9	9	81345	3.54	2.5	10	739	11.1	98	6.5	235	8.5	
FEB														
11...	1530	9	9	81345	--	2.2	11	745	11.2	100	5.2	300	9.5	
11...	1545	9	9	81345	--	2.2	11	745	11.2	100	5.2	301	9.5	
MAR														
11...	0930	9	9	81345	3.49	1.6	15	749	11.6	105	5.3	305	10.0	
11...	0945	9	9	81345	3.49	1.6	14	749	11.6	103	5.3	302	9.5	
30...	1015	9	J	81345	3.73	7.6	60	747	9.5	97	6.7	103	15.5	
30...	1030	9	J	81345	3.73	7.6	60	747	9.5	98	6.7	104	16.0	
APR														
13...	0745	9	J	81345	3.82	8.3	60	735	9.4	97	7.2	108	15.0	
13...	0815	9	J	81345	3.82	8.3	60	735	9.4	97	7.5	107	15.0	
MAY														
12...	1300	9	9	81345	3.43	1.2	6.1	749	8.8	100	6.2	317	20.5	
12...	1315	9	9	81345	3.43	1.2	5.2	749	8.8	100	6.2	312	20.5	
26...	1055	9	9	81345	3.43	1.7	7.1	747	8.8	105	4.8	421	23.0	
26...	1100	9	9	81345	3.43	1.7	7.3	747	8.8	105	4.8	419	23.0	
JUN														
22...	1010	9	J	81345	3.46	2.7	20	745	8.3	100	7.0	214	23.5	
22...	1015	9	J	81345	3.46	2.7	22	745	8.3	100	7.0	215	23.5	
JUL														
20...	0825	9	9	81345	3.37	1.3	7.0	744	8.7	102	4.7	338	22.0	
20...	0830	9	9	81345	3.37	1.3	7.0	744	8.7	102	4.7	338	22.0	
AUG														
09...	1010	9	9	81345	3.30	1.2	7.8	752	9.3	106	4.8	300	21.0	
09...	1015	9	9	81345	3.30	1.2	9.2	752	9.3	106	4.8	309	21.0	
SEP														
21...	0945	9	9	81345	3.44	2.4	2.6	--	9.1	--	7.0	179	18.0	
27...	1255	9	J	81345	4.31	--	89	735	7.2	82	4.7	343	20.0	
27...	1355	9	J	81345	4.56	--	200	735	8.2	95	5.0	224	20.5	
27...	1525	9	J	81345	5.82	--	260	735	8.8	101	7.2	43	20.5	
27...	1744	9	J	81345	6.11	--	260	735	9.0	103	7.0	37	20.0	
27...	1850	9	J	81345	6.87	--	350	735	9.0	103	6.9	30	20.0	

ALTAMAHA RIVER BASIN
2004 Water Year

02203603 SOUTH RIVER AT SPRINGDALE ROAD, AT ATLANTA, GA—continued.

Date	Noncarb hard- ness, Hard- ness, water, water, lab, mg/L as CaCO ₃ (00900)								Alka- linity, wat flt Gran, Bromide ide, Silica, Sulfate							
	wat flt	Calcium	Magnes-	Potas-	Sodium	Sodium,	water,	water,	water,	Bromide	Chlor-	water,	water,	water,	water,	water,
	mg/L as CaCO ₃ (00905)	mg/L as CaCO ₃ (00915)	mg/L	ium, water, water, mg/L (00925)	water, water, fltrd, mg/L (00935)	adsorp- tion ratio mg/L (00931)	water, fltrd, mg/L (00930)	water, fltrd, mg/L (00932)	Sodium, percent percent CaCO ₃ (00932)	mg/L as CaCO ₃ (29803)	mg/L (71870)	Chlor-	water, fltrd, mg/L (00940)	water, fltrd, mg/L (00955)	water, fltrd, mg/L (00945)	
OCT																
21...	87	88	22.1	7.74	4.76	.6	12.5	23	-.4	.1	14.1	19.9	18.0			
21...	70	--	17.8	6.29	3.79	.5	9.97	22	<1.0	.1	14.2	16.1	15.9			
JAN																
13...	42	--	12.5	2.68	2.62	.5	7.72	27	42.8	.2	9.11	18.6	7.2			
13...	42	--	12.4	2.69	2.59	.5	7.49	27	42.4	.1	9.15	18.7	7.2			
27...	39	5	10.7	3.02	2.93	.4	5.84	23	34.4	M	8.17	14.9	7.8			
27...	41	6	10.9	3.18	2.87	.4	5.81	22	35.0	M	8.47	15.5	7.9			
FEB																
11...	79	79	20.1	7.00	4.32	.6	12.0	24	.2	.1	11.6	17.8	25.2			
11...	80	81	20.5	7.05	4.36	.6	12.1	23	-.3	<.02	11.6	17.5	23.1			
MAR																
11...	84	84	21.4	7.41	4.18	.7	15.3	27	.0	<.02	18.5	9.98	26.1			
11...	84	84	21.3	7.49	4.07	.7	15.0	27	.2	.1	18.6	15.1	26.3			
30...	29	19	8.97	1.67	2.51	.4	4.54	23	10.0	.2	3.53	4.85	24.2			
30...	27	17	8.45	1.51	2.58	.4	4.87	26	10.4	.2	3.59	4.58	24.0			
APR																
13...	30	11	9.15	1.68	2.53	.5	5.88	28	18.9	.3	3.15	5.57	20.2			
13...	32	12	9.72	1.75	2.58	.5	6.73	30	19.4	.2	2.91	5.55	19.2			
MAY																
12...	74	66	18.7	6.63	4.48	.9	17.8	33	8.0	.3	14.3	18.6	65.8			
12...	80	72	20.4	6.98	4.89	1	19.7	33	7.5	.3d	13.7d	19.6	86.2d			
26...	94	95	24.9	7.71	5.61	2	33.5	42	-.9	.2d	13.3d	24.5	168d			
26...	76	77	20.2	6.17	5.40	2	31.2	45	-1.1	.1d	13.2d	19.0	166d			
JUN																
22...	55	30	15.1	4.14	3.88	.9	15.1	35	24.4	.1	6.8	12.9	54.6			
22...	53	29	14.9	3.84	3.97	1	16.3	38	24.3	.1	6.8	12.2	54.6			
JUL																
20...	79	--	20.1	7.03	3.75	.6	11.5	23	<1.0	.1	12.2	18.3	106			
20...	82	--	21.1	7.04	3.95	.6	12.3	24	<1.1	.1	12.3	18.8	107			
AUG																
09...	82	--	21.1	6.98	4.13	.6	11.6	23	<.8	.1	11.5	19.8	90.6			
09...	83	--	21.5	7.08	4.09	.6	11.6	22	<1.0	.1	11.5	19.2	91.2			
SEP																
21...	--	--	--	--	--	--	--	--	32.7	.1	10.1	--	28.6			
27...	--	--	--	--	--	--	--	--	-.7	.2	9.57	--	94.0			
27...	--	--	--	--	--	--	--	--	-.1	.2	9.51	--	97.6			
27...	--	--	--	--	--	--	--	--	13.2	.1	.97	--	7.1			
27...	--	--	--	--	--	--	--	--	11.4	M	.72	--	4.5			
27...	--	--	--	--	--	--	--	--	8.5	M	.62	--	3.8			

ALTAMAHA RIVER BASIN
2004 Water Year

02203603 SOUTH RIVER AT SPRINGDALE ROAD, AT ATLANTA, GA—continued.

Date	Residue water, fltrd,	Residue sum of consti- tuents mg/L	Acres/ acre-ft	Ammonia water, fltrd,	Nitrate water, fltrd,	Nitrite water, fltrd,	Ortho- phate, water, fltrd,	Total nitro- gen, Phos- phorus, water, fltrd,	E coli, Defined form, Tech., M-FC	Fecal coli- form, Tech., MPN/ col/	Total coli- form, Tech., MPN/ 100 mL	Barium, fltrd, ug/L
	(70301)	(70303)	(71846)	(00608)	(00618)	(00613)	(00671)	(00666)	(50468)	(31625)	(50569)	(01005)
OCT												
21...	115	.16	.27	.212	1.84	<.020	<.100	<.10	2.22	--	--	--
21...	--	--	.28	.214	1.87	<.020	<.100	<.10	2.14	27	<.0k	3690
JAN												
13...	91	.12	1.32	1.02	.77	<.020	<.100	.42	2.45	60	<3k	120
13...	91	.12	1.32	1.02	.75	<.020	<.100	<.10	2.89	--	--	39.5
27...	78	.11	.25	.193	.82	<.020	<.100	<.10	2.17	22	3k	41
27...	80	.11	.24	.187	.84	<.020	<.100	<.10	2.10	--	--	44.5
FEB												
11...	110	.15	.54	.423	1.58	<.020	<.100	<.10	2.32	10	<1	26
11...	108	.15	.55	.427	1.60	<.020	<.100	<.10	2.29	--	--	48.0
MAR												
11...	111	.15	1.02	.790	1.34	<.020	<.100	<.10	2.47	<2	<2k	140
11...	117	.16	1.04	.810	1.33	<.020	<.100	<.10	2.56	--	--	40.8
30...	60	.08	.40	.310	.63	.040	<.100	<.10	.98	8800	1800k	28000
30...	60	.08	.36	.280	.63	.040	<.100	<.10	.73	--	--	29.7
APR												
13...	63	.09	.05	.039	.60	<.020	<.100	<.10	.88	3600	2500	120000
13...	63	.09	.05	.042	.55	<.020	<.100	<.10	.99	--	--	47.8
MAY												
12...	160	.22	1.86	1.45	.95	.030	<.100	<.10	2.66	10	4k	4600
12...	184	.25	1.86	1.45	.90d	<.100d	<.100	<.10	2.46	--	--	51.0
26...	291	.40	.32	.245	1.62d	<.100d	<.100	<.10	1.52	--	--	70.2
26...	274	.37	.34	.261	1.62d	<.100d	<.100	<.10	1.70	20	<1k	850
JUN												
22...	132	.18	.04	.030	.86	<.010	<.050	<.050	1.24	--	--	--
22...	132	.18	.04	.030	.86	<.010	<.050	<.050	--	4700	12000	460000
JUL												
20...	--	--	.33	.260	1.40	<.010	<.050	<.050	--	--	--	--
20...	--	--	.33	.260	1.40	<.010	<.050	<.050	--	66	<1k	12000
AUG												
09...	--	--	--	--	1.36	<.010	--	--	--	--	--	--
09...	--	--	--	--	1.26	<.010	--	--	--	76	<1k	733
SEP												
21...	--	--	.09	.070	.95	<.020	<.100	<.10	--	310	600	39000
27...	--	--	.49	.380	1.00	<.020	<.100	<.10	--	2300	73	45700
27...	--	--	.50	.390	.82	.080	<.100	<.10	--	4900	410	86200
27...	--	--	--	<.020	.23	.020	<.100	<.10	--	11000	27000	1160000
27...	--	--	--	<.020	.23	<.020	<.100	<.10	--	14000	35000	744000
27...	--	--	--	<.020	.26	<.020	<.100	<.10	--	23000	57000	1270000

ALTAMAHA RIVER BASIN
2004 Water Year

02203603 SOUTH RIVER AT SPRINGDALE ROAD, AT ATLANTA, GA—continued.

Date	Iron, water, ug/L (01046)	Stront- ium, water, ug/L (01080)
OCT		
21...	180	100
21...	160	80
JAN		
13...	110	60
13...	120	60
27...	<100	60
27...	<100	60
FEB		
11...	320	90
11...	320	90
MAR		
11...	200	100
11...	250	100
30...	<100	40
30...	<100	40
APR		
13...	<100	40
13...	<100	40
MAY		
12...	270	90
12...	310	100
26...	250	120
26...	190	100
JUN		
22...	<50	70
22...	<50	70
JUL		
20...	170	90
20...	160	100
AUG		
09...	190	100
09...	180	100
SEP		
21...	--	--
27...	--	--
27...	--	--
27...	--	--
27...	--	--

ALTAMAHA RIVER BASIN
2004 Water Year

02203603 SOUTH RIVER AT SPRINGDALE ROAD, AT ATLANTA, GA—continued.

Date	Time	Hydro-logic event	Agency analyzing sample, (00028)	Gage height, feet (00065)	Instan-taneous discharge, cfs (00061)	Turb-idity, IR LED (63680)	Baro-metric light, 90 deg, FNU (00025)	Dis-solved pres-sure, mm Hg (00300)	pH, water, unfltrd (00400)	Specif. conduc-tance, wat unf (00095)	Alum-inum, water, fltrd, ug/L (01106)	Cadmium water, fltrd, ug/L (01025)	
											Temp-ature, water, 25 degC (00010)	Alum-inum, water, fltrd, ug/L (01106)	Cadmium water, fltrd, ug/L (01025)
OCT													
21...	1011	9	80020	3.48	1.7	7.7	--	9.8	4.7	321	16.0	5470d	4.41
21...	1031	9	80020	3.48	1.7	8.3	--	9.8	4.7	344	16.0	5340d	4.49
JAN													
13...	0901	9	80020	3.52	1.9	13	--	12.8	5.8	282	8.0	816	2.68
13...	0911	9	80020	3.52	1.9	12	--	12.4	5.8	281	8.0	758	2.74
27...	1501	9	80020	3.54	2.5	10	739	11.0	6.6	236	8.5	25	2.22
27...	1516	9	80020	3.54	2.5	10	739	11.1	6.5	235	8.5	30	2.12
FEB													
11...	1531	9	80020	--	2.2	11	745	11.2	5.2	300	9.5	1940d	3.33
11...	1546	9	80020	--	2.2	11	745	11.2	5.2	301	9.5	2130d	3.45
MAR													
11...	0931	9	80020	3.49	1.6	15	749	11.6	5.3	305	10.0	1900d	3.26
11...	0946	9	80020	3.49	1.6	14	749	11.6	5.3	302	9.5	1780d	3.11
30...	1016	J	80020	3.73	7.6	60	747	9.5	6.7	103	15.5	53	1.12
30...	1031	J	80020	3.73	7.6	60	747	9.5	6.7	104	16.0	60	1.13
APR													
13...	0746	J	80020	3.82	8.3	60	735	9.4	7.2	108	15.0	48	.44
13...	0816	J	80020	3.82	8.3	60	735	9.4	7.5	107	15.0	44	.45
MAY													
12...	1301	9	80020	3.43	1.2	6.1	749	8.8	6.2	317	20.5	134	4.21
12...	1316	9	80020	3.43	1.2	5.2	749	8.8	6.2	312	20.5	162	4.42
26...	1056	9	80020	3.43	1.7	7.1	747	8.8	4.8	421	23.0	4110d	9.75
26...	1101	9	80020	3.43	1.7	7.3	747	8.8	4.8	419	23.0	3840d	10.1
JUN													
22...	1011	J	80020	3.46	2.7	20	745	8.3	7.0	214	23.5	36	1.90
22...	1016	J	80020	3.46	2.7	22	745	8.3	7.0	215	23.5	37	1.90
JUL													
20...	0826	9	80020	3.37	1.3	7.0	744	8.7	4.7	338	22.0	6030d	4.11
20...	0831	9	80020	3.37	1.3	7.0	744	8.7	4.7	338	22.0	6550d	4.00
AUG													
09...	1011	9	80020	3.30	1.2	7.8	752	9.3	4.8	300	21.0	3860d	3.97
09...	1016	9	80020	3.30	1.2	9.2	752	9.3	4.8	309	21.0	3970d	3.93
SEP													
21...	0946	9	80020	3.44	2.4	2.6	--	9.1	7.0	179	18.0	22	.46
27...	1256	J	80020	4.31	--	89	735	7.2	4.7	343	20.0	3630d	.70
27...	1356	J	80020	4.56	--	200	735	8.2	5.0	224	20.5	5960d	.35
27...	1526	J	80020	5.82	--	260	735	8.8	7.2	43	20.5	48	.13
27...	1745	J	80020	6.11	--	260	735	9.0	7.0	37	20.0	58	.09
	1851	J	80020	6.87	--	350	735	9.0	6.9	30	20.0	63	.07

ALTAMAHIA RIVER BASIN

2004 Water Year

02203603 SOUTH RIVER AT SPRINGDALE ROAD, AT ATLANTA, GA—continued.

Date	Chrom-	Copper,	Lead,	Mangan-	Nickel,	Silver,	Zinc,	1- 4-Di- chloro- benzene, ug/L	Methyl- naphth- alene, ug/L				
	ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Mangan- ese, water, fltrd, ug/L (01056)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)						
OCT													
21...	<.8	158	12.3	2170d	24.9	<.2	1620d						
21...	<.8	159	13.1	1720d	25.1	<.2	1710						
JAN													
13...	<.8	84.6	1.95	1620d	14.5	<.2	1080d						
13...	<.8	88.7	1.73	1500d	15.4	<.2	1260d						
27...	<.8	17.8	.15	943	9.62	<.2	756						
27...	<.8	20.0	.19	933	9.80	<.2	722						
FEB													
11...	<.8	123	4.83	1610d	18.6	<.2	1310d						
11...	<.8	126	4.76	1660d	18.6	<.2	1300d						
MAR													
11...	<.8	118	4.36	1620d	17.8	<.2	1310d						
11...	<.8	115	4.14	1570d	17.1	<.2	1300d						
30...	<.8	14.0	.90	262	3.90	<.2	229						
30...	<.8	14.1	1.06	265	3.94	<.2	230						
APR													
13...	E.5n	6.8	.92	158	2.43	<.2	103						
13...	E.5n	6.7	.93	162	2.27	<.2	105						
MAY													
12...	<.8	56.8	2.81	1370d	17.9	<.2	1130						
12...	<.8	61.6	3.21	1440d	18.8	<.2	1180						
26...	E.4n	130	14.8	1940d	25.9	<.2	1580d						
26...	E.4n	126	14.1	1960d	24.6	<.2	1510d						
JUN													
22...	<.8	4.8	.24	412	4.30	<.2	169						
22...	<.8	4.8	.26	418	4.22	<.2	173						
JUL													
20...	<.8	143	11.0	1980d	24.3	<.2	1450d						
20...	<.8	141	11.1	2170d	24.0	<.2	1600d						
AUG													
09...	<.8	119	12.7	1800d	19.8	<.2	1440d						
09...	<.8	123	13.1	1750d	21.6	<.2	1520d						
SEP													
21...	<.8	3.9	E.05n	322	2.77	<.2	174						
27...	<.8	95.9	4.92	1710d	19.3	<.2	1240d						
27...	E.6n	96.1	6.29	1680d	20.6	<.2	1330d						
27...	<.8	4.1	.64	64.3	1.03	<.2	15.5						
27...	.9	3.9	.67	36.6	.82	<.2	16.3						
27...	<.8	3.3	.56	29.6	.71	<.2	15.8						
Date	Agency ana- lyzing sample, code (00028)	Time Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)	Turb- idity, IR LED light, det ang 90 deg, FNU (63680)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, unfltrd field, std units (00400)	Specif. wat unf 25 degC (00095)	1,4-Di- chloro- benzene, ug/L (00010)	1- Methyl- naphth- alene, ug/L (34572)	1- (62054)	
OCT													
21...	1031	80020	3.48	1.7	8.3	--	9.8	--	4.7	344	16.0	<.5	<.5
JAN													
13...	0901	80020	3.52	1.9	13	--	12.8	--	5.8	282	8.0	E.1	<.5
27...	1501	80020	3.54	2.5	10	739	11.0	97	6.6	236	8.5	<.5	E.1
FEB													
11...	1531	80020	--	2.2	11	745	11.2	100	5.2	300	9.5	<.5	M
MAR													
11...	0931	80020	3.49	1.6	15	749	11.6	105	5.3	305	10.0	<.5	M
30...	1016	80020	3.73	7.6	60	747	9.5	97	6.7	103	15.5	<.5	E.2
APR													
13...	0746	80020	3.82	8.3	60	735	9.4	97	7.2	108	15.0	<.5	E.1
MAY													
12...	1301	80020	3.43	1.2	6.1	749	8.8	100	6.2	317	20.5	<.5	<.5
26...	1101	80020	3.43	1.7	7.3	747	8.8	105	4.8	419	23.0	<.5	<.5
JUN													
22...	1016	80020	3.46	2.7	22	745	8.3	100	7.0	215	23.5	<.5	M
JUL													
20...	0831	80020	3.37	1.3	7.0	744	8.7	102	4.7	338	22.0	<.5	<.5
AUG													
09...	1016	80020	3.30	1.2	9.2	752	9.3	106	4.8	309	21.0	<.5	<.5
SEP													
21...	0946	80020	3.44	2.4	2.6	--	9.1	--	7.0	179	18.0	<.5	<.5
27...	1256	80020	4.31	--	89	735	7.2	82	4.7	343	20.0	<.5	<.5
27...	1356	80020	4.56	--	200	735	8.2	95	5.0	224	20.5	<.5	Mt
27...	1526	80020	5.82	--	260	735	8.8	101	7.2	43	20.5	<.5	E.1t
27...	1745	80020	6.11	--	260	735	9.0	103	7.0	37	20.0	<.5	E.1t
27...	1851	80020	6.87	--	350	735	9.0	103	6.9	30	20.0	Mt	E.1t

ALTAMAHA RIVER BASIN
2004 Water Year

02203603 SOUTH RIVER AT SPRINGDALE ROAD, AT ATLANTA, GA—continued.

Date	2,6-Dimethyl-naphthalene, water, ug/L	2-Methyl-naphthalene, water, ug/L	3-beta-Copros-alene, water, ug/L	Methyl-indole, water, ug/L	3-tert-Butyl-1H-droxy-anisole, water, ug/L	4-hydroxyphenol, water, ug/L	Cumyl-phenol, water, ug/L	Octyl-phenol, water, ug/L	Nonyl-phenol, water, ug/L	4-tert-Octyl-phenol, water, ug/L	5-Methyl-1H-benzene, water, ug/L	9,10-Anthraquinone, water, ug/L	Acetophenone, water, ug/L	AHTN, water, ug/L
OCT 21...	<.5	<.5	<2	<1	<5	<1	E1	<1	<2	<.5	E.1			
JAN 13...	<.5	<.5	<2	M	<5	<1	<1	<5	<1	M	E.1	<.5	E.2	
27...	E.2	E.2	M	M	<5	<1	E2	<1	<2	E.1	E.1	M		
FEB 11...	M	M	M	M	<5	M	<1	E2	<1	<2	<.5	E.1	E.1	
MAR 11...	M	M	<2	M	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5	
30...	E.2	E.2	<2	M	<5	M	<1	E3	<1	<2	E1.2	E.5	E.1	
APR 13...	E.1	E.1	<2	M	<5	<1	<1	E2	<1	<2	E.2	E.2	<.5	
MAY 12...	<.5	<.5	M	M	<5	M	<1	E2	M	6	E.2	E.3	E.1	
26...	<.5	<.5	<2	M	<5	<1	E2	<1	M	E.1	<.5	<.5		
JUN 22...	M	E.1	E1	M	<5	<1	<1	E2	<1	<2	E.2	<.5	M	
JUL 20...	<.5	<.5	<2	Mt	<5	<1	<1	<5	<1	<2	<.5	<.5	E.1t	
AUG 09...	<.5	<.5	<2	<1	<5	<1	<1	<5	<1	<2	<.5	<.5	<.5	
SEP 21...	<.5	<.5	<2	Mt	<5	<1	<1	<5	<1	<2	<.5	E.1t	Mt	
27...	<.5	<.5	Mt	Mt	<5	<1	<1	<5	<1	<2	E.2t	<.5	<.5	
27...	<.5	<.5	<2	Mt	<5	<1	<1	<5	<1	<2	E.4t	<.5	<.5	
27...	E.1t	E.1t	<2	<1	<5	<1	<1	<5	<1	<2	E.2t	<.5	<.5	
27...	<.5	E.1t	Mt	<1	<5	<1	<1	<5	<1	<2	E.2t	<.5	<.5	
27...	<.5	E.1t	Mt	Mt	<5	<1	<1	<5	<1	<2	E.1t	<.5	<.5	

Date	Anthracene, water, ug/L	Benzo[a]pyrene, water, ug/L	Benzo-phenone, water, ug/L	Sitos-terol, water, ug/L	beta-Stigmarstanol, water, ug/L	Bisphe-nol A, water, ug/L	Bromo-phenol, water, ug/L	Caf-eine, water, ug/L	Camphor, water, ug/L	Car-baryl, water, ug/L	Carba-zole, water, ug/L	Chlor-pyrifos, water, ug/L	Choles-terol, water, ug/L	
OCT 21...	<.5	<.5	<.5	<2	<2	<1	1.7	E.1	<.5	<1	<.5	<.5	<.5	<2
JAN 13...	M	<.5	<.5	<2	<2	M	.8	2.3	E.1	<1	<.5	<.5	<.5	<2
27...	M	<.5	<.5	<2	<2	M	.9	.6	<.5	<1	M	<.5	<.5	M
FEB 11...	M	<.5	E.1	<2	<2	M	1.2	.7	M	<1	M	<.5	<.5	M
MAR 11...	M	<.5	M	<2	<2	<1	.9	1.0	M	<1	<.5	<.5	<.5	<2
30...	M	<.5	<.5	<2	<2	E1	2.8	E2.1	E.1	M	E.2	<.5	<.5	<2
APR 13...	E.1	<.5	E.1	<2	<2	<1	3.5	E.5	E.1	M	E.1	<.5	<.5	<2
MAY 12...	E.1	<.5	E.1	<2	<2	1	1.5	2.1	E.1	<1	E.1	<.5	<.5	E1
26...	<.5	<.5	E.1	<2	<2	M	1.2	E.2	E.1	<1	<.5	<.5	<.5	<2
JUN 22...	E.1	<.5	E.1	<2	E1	2	1.8	E.3	M	M	E.1	<.5	E2	
JUL 20...	E.1t	<.5	<.5	<2	<2	Mt	1.3	E.1t	Mt	<1	<.5	<.5	<.5	<2
AUG 09...	<.5	<.5	<.5	<2	<2	Mt	.9	<.5	<.5	<1	<.5	<.5	<.5	<2
SEP 21...	Mt	<.5	Mt	<2	<2	Mt	.8	E.3t	Mt	<1	<.5	<.5	<.5	<2
27...	<.5	<.5	<.5	Mt	<1	.9	1.6	E.1t	<1	<.5	<.5	<.5	Mt	
27...	<.5	<.5	<.5	<2	<2	Mt	.7	3.5	<.5	<1	<.5	<.5	<.5	Mt
27...	<.5	<.5	<.5	<2	<2	<1	<.5	E.3t	<.5	Mt	Mt	<.5	<.5	Mt
27...	Mt	<.5	<.5	Mt	Mt	<1	E.3t	E.1t	Mt	Mt	Mt	<.5	E1t	
27...	Mt	<.5	<.5	Elt	Elt	<1	<.5	E.1t	<.5	Mt	<.5	<.5	E2t	

ALTAMAHIA RIVER BASIN
2004 Water Year

02203603 SOUTH RIVER AT SPRINGDALE ROAD, AT ATLANTA, GA—continued.

Date	Cot-inine, water, ug/L (62005)	DEET, water, ug/L (62082)	Diazi-non, water, ug/L (39572)	Di-ethoxy-nonyl-phenol, water, ug/L (62083)	Di-ethoxy-octyl-phenol, water, ug/L (61705)	D-Limo-nene, water, ug/L (62073)	Ethoxy-octyl-phenol, water, ug/L (61706)	Fluor-anthene, water, ug/L (34377)	Indole, water, ug/L (62075)	Isobor-neol, water, ug/L (62077)	Iso-phorone, water, ug/L (34409)	Iso-propyl-benzene water, ug/L (62078)
OCT												
21...	<1.00	E.2	<.5	E2	M	<.5	M	<.5	E.1	<.5	<.5	<.5
JAN												
13...	E.1600	E.1	<.5	<1	<.5	<1	M	E.1	E.1	E.1	<.5	<.5
27...	<1.00	E.2	<.5	E3	M	<.5	<1	E.1	E.1	<.5	M	<.5
FEB												
11...	<1.00	E.1	<.5	E2	M	<.5	M	E.1	<.5	<.5	<.5	<.5
MAR												
11...	<1.00	M	<.5	<5	<1	<.5	<1	M	M	M	<.5	<.5
30...	<1.00	E.3	<.5	E14	M	<.5	E1	E.1	M	E.1	E.2	<.5
APR												
13...	<1.00	E.2	<.5	E2	<1	<.5	<1	E.1	<.5	<.5	E.1	<.5
MAY												
12...	E.4000	E.2	<.5	E5	<1	<.5	M	E.1	E.1	E.1	<.5	<.5
26...	<1.00	E.2	<.5	<5	<1	<.5	<1	M	<.5	<.5	<.5	<.5
JUN												
22...	<1.00	E.3	E.1	E7	M	<.5	M	E.1	<.5	<.5	E.1	<.5
JUL												
20...	<1.00	E.2t	<.5	<5	<1	<.5	<1	<.5	E.1t	E.1t	<.5	<.5
AUG												
09...	<1.00	E.1t	<.5	<5	<1	<.5	<1	<.5	<.5	<.5	<.5	<.5
SEP												
21...	E.2000t	E.4t	<.5	<5	<1	<.5	<1	Mt	Mt	Mt	<.5	<.5
27...	<1.00	E.4t	<.5	<5	<1	Mt	<1	Mt	<.5	Mt	<.5	<.5
27...	<1.00	E.5t	<.5	<5	<1	E.3n	<1	Mt	<.5	<.5	<.5	<.5
27...	<1.00	E.2t	<.5	<5	Mt	<.5	<1	E.1t	<.5	<.5	E.1t	<.5
27...	<1.00	E.2t	<.5	<5	Mt	E.1n	<1	E.1t	<.5	<.5	E.1t	<.5
27...	<1.00	E.2t	<.5	<5	<1	<.5	<1	E.1t	<.5	<.5	E.1t	<.5

Date	Iso-quinoline, water, ug/L (62079)	Menthol water, ug/L (62080)	Meta-laxyl, water, ug/L (50359)	Methyl salicy-late, water, ug/L (62081)	Metola-chlor, water, ug/L (62081)	Naphth-alene, water, ug/L (39415)	p-Cresol, water, ug/L (34443)	Phenato-chloro-phenol, water, ug/L (62084)	Phenan-threne, water, ug/L (34459)	Phenol, water, ug/L (34462)	Prome-ton, water, ug/L (04037)	Tetra-chloro-ethene, water, ug/L (34470)
OCT												
21...	<.5	<.5	<.5	<.5	<.5	<.5	M	<2	<.5	E.4	<.5	<.5
JAN												
13...	<.5	E.5	<.5	<.5	<.5	<.5	1	<2	M	E.4	<.5	M
27...	<.5	E.1	<.5	<.5	<.5	E.1	M	E.2	1.8	<.5	M	E.3
FEB												
11...	<.5	E.2	<.5	M	<.5	E.1	M	<2	M	2.2	<.5	M
MAR												
11...	<.5	E.4	<.5	M	<.5	E.1	M	<2	M	.5	<.5	E.1
30...	<.5	E.3	<.5	<.5	<.5	E.1	M	E4	E.3	E1.1	<.5	E.1
APR												
13...	<.5	E.2	<.5	M	<.5	E.1	M	E1	E.2	1.1	<.5	E.1
MAY												
12...	<.5	.6	<.5	E.1	<.5	<.5	M	M	E.1	1.2	<.5	E.1
26...	<.5	<.5	<.5	E.1	<.5	<.5	M	<2	E.1	.9	<.5	M
JUN												
22...	<.5	E.1	<.5	<.5	<.5	M	M	E1	E.1	.8	<.5	E.2
JUL												
20...	<.5	<.5	<.5	E.1t	<.5	<.5	Mt	<2	Mt	1.0	<.5	<.5
AUG												
09...	<.5	<.5	<.5	<.5	<.5	<.5	Mt	<2	<.5	.9	<.5	<.5
SEP												
21...	<.5	E.1t	<.5	Mt	<.5	<.5	Mt	Mt	E.4t	<.5	Mt	E.4t
27...	<.5	<.5	<.5	E.1t	<.5	<.5	Mt	<2	Mt	1.2	<.5	E.1t
27...	<.5	<.5	<.5	E.1t	<.5	<.5	1	<2	E.1t	4.0	<.5	Mt
27...	<.5	<.5	<.5	<.5	<.5	<.5	Mt	Mt	E.1t	1.2	<.5	Mt
27...	<.5	<.5	<.5	<.5	<.5	<.5	Mt	Elt	E.1t	2.1	<.5	E.1t
27...	<.5	<.5	<.5	<.5	<.5	<.5	Mt	Elt	E.1t	1.1	<.5	E.1t

ALTAMAHA RIVER BASIN
2004 Water Year

02203603 SOUTH RIVER AT SPRINGDALE ROAD, AT ATLANTA, GA—continued.

Date	Tri-bromo-methane	butyl phos-phate, water, ug/L	Triclo-san, water, fltrd, ug/L	Tri-ethyl citrate, water, fltrd, ug/L	phenyl phos-phate, water, fltrd, ug/L	Tri-butoxy-ethyl phos-phate, water, fltrd, ug/L	Tris(2-chloro-ethyl) phos-phate, wat flt, ug/L	Tris(2-chloro-ethyl) i-Pr) phos-phate, wat flt, ug/L	Tris(di-chloro-vos, water, fltrd, ug/L)
	(34288)	(62089)	(62090)	(62091)	(62092)	(62093)	(62087)	(62088)	(38775)
OCT									
21...	<.5	<.5	<1	<.5	E.1	E1.6	E.3	E.2	<1.00
JAN									
13...	E.1	E.1	M	E.1	E.1	.6	E.2	E.1	<1.00
27...	<.5	E.2	M	<.5	E.2	1.2	.8	E.2	<1.00
FEB									
11...	<.5	E.1	M	E.1	E.1	.8	E.4	E.1	<1.00
MAR									
11...	M	E.1	M	<.5	M	.8	E.1	E.1	<1.00
30...	M	E.7	M	<.5	E.3	6.9	E.9	E.7	<1.00
APR									
13...	M	E.4	<1	<.5	E.3	1.8	1.2	.5	<1.00
MAY									
12...	E.1	E.2	M	E.2	E.2	1.1	E.4	E.3	<1.00
26...	E.1	E.2	<1	<.5	E.3	E.4	.5	E.2	<1.00
JUN									
22...	<.5	1.0	<1	<.5	.9	.8	1.0	E.5	<1.00
JUL									
20...	Mt	<.5	<1	<.5	<.5	E6.2	E.2t	E.2t	--u
AUG									
09...	<.5	<.5	<1	<.5	<.5	.7	<.5	E.2t	.00
SEP									
21...	Mt	<.5	Mt	E.1t	E.1n	E.2t	E.1t	E.1t	--u
27...	E.4t	<.5	<1	<.5	E.1n	1.1	E.1t	E.1t	<1.00
27...	E.4t	<.5	Mt	<.5	E.2n	4.2	.7	E.4t	<1.00
27...	<.5	.5	<1	<.5	1.0	<.5	.6	E.5t	<1.00
27...	<.5	E.3t	<1	<.5	E.2n	<.5	.6	E.5t	<1.00
27...	<.5	1.0	<1	<.5	E.1n	E.3t	E.4t	E.4t	<1.00

Date	Time	Medium code	Hydro-logic event	Agency ana-lyzing sample, code (00028)	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	IR LED light, 90 deg, FNU (63680)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of saturation (00301)	pH, unfiltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)
OCT													
21...	1030	1	9	81350	3.48	1.7	7.7	--	9.8	--	4.7	321	16.0
JAN													
13...	0912	1	9	81350	3.52	1.9	12	--	12.4	--	5.8	281	8.0
27...	1517	1	9	81350	3.54	2.5	10	739	11.1	98	6.5	235	8.5
FEB													
11...	1547	1	9	81350	--	2.2	11	745	11.2	100	5.2	301	9.5
MAR													
11...	0947	1	9	81350	3.49	1.6	14	749	11.6	103	5.3	302	9.5
30...	1017	1	J	81350	3.73	7.6	60	747	9.5	97	6.7	103	15.5
30...	1032	1	J	81350	3.73	7.6	60	747	9.5	98	6.7	104	16.0
APR													
13...	0747	1	J	81350	3.82	8.3	60	735	9.4	97	7.2	108	15.0
13...	0817	1	J	81350	3.82	8.3	60	735	9.4	97	7.5	107	15.0
MAY													
12...	1317	1	9	81350	3.43	1.2	5.2	749	8.8	100	6.2	312	20.5
26...	1057	1	9	81350	3.43	1.7	7.1	747	8.8	105	4.8	421	23.0
JUN													
22...	1010	1	J	81350	3.46	2.7	20	--	8.3	--	7.0	214	23.5
JUL													
20...	0827	1	9	81350	3.37	1.3	7.0	744	8.7	102	4.7	338	22.0
AUG													
09...	1012	1	9	81350	3.30	1.2	7.8	752	9.3	106	4.8	300	21.0
SEP													
21...	0947	1	9	81350	3.44	2.4	2.6	--	9.1	--	7.0	179	18.0
27...	1257	1	J	81350	4.31	--	89	735	7.2	82	4.7	343	20.0
27...	1357	1	J	81350	4.31	--	200	735	8.2	95	5.0	224	20.5
27...	1527	1	J	81350	5.82	--	260	735	8.8	101	7.2	43	20.5
27...	1746	1	J	81350	6.11	--	260	735	9.0	103	7.0	37	20.0
	1850	1	J	81350	6.87	--	350	735	9.0	103	6.9	30	20.0

ALTAMAHIA RIVER BASIN
2004 Water Year

02203603 SOUTH RIVER AT SPRINGDALE ROAD, AT ATLANTA, GA—continued.

Date	Alum- inum, susrnd sedimnt total, percent (30221)	Anti- mony, susrnd sedimnt total, ug/g (29816)	Arsenic susrnd sedimnt total, ug/g (29818)	Barium, susrnd sedimnt total, ug/g (29820)	Beryll- ium, susrnd sedimnt total, ug/g (29822)	Cadmium susrnd sedimnt total, ug/g (29826)	Chrom- ium, susrnd sedimnt total, ug/g (29829)	Cobalt, susrnd sedimnt total, ug/g (35031)	Copper, susrnd sedimnt total, ug/g (29832)	Iron, susrnd sedimnt total, percent (30269)	Lead, susrnd sedimnt total, ug/g (29836)	Lithium susrnd sedimnt total, ug/g (35050)	Mangan- ese, susrnd sedimnt total, ug/g (29839)
OCT													
21...	18	.9	5.1	55	11	3.1	25	26	240	1.0	44	5	1700
JAN													
13...	23	1.2	5.1	71	42	.4	52	4	990	1.4	120	3	190
27...	18	5.3	29	180	31	4.3	180	10	2200	4.9	460	19	460
FEB													
11...	20	.9	3.3	60	18	.3	40	2	290	.770	60	<2	150
MAR													
11...	24	.3	3.5	13	22	<.2	30	<2	460	.700	38	<2	50
30...	11	9.6	60	410	5	11	370	19	480	6.7	630	45	1200
30...	10	8.9	60	400	5	11	360	19	470	6.5	610	46	1100
APR													
13...	4.4	8.0	10	350	1	4.9	69	25	150	2.8	130	170	1900
13...	10	5.4	17	380	3	4.8	160	24	230	5.9	300	86	1500
MAY													
12...	15	.9	5.4	74	19	6.7	--o	28	1500	1.1	210	37	1800
26...	19	1.2	4.2	53	17	4.4	84	17	510	1.5	69	60	1300
JUN													
22...	11	2.3	14	290	4	8.9	170	18	230	5.8	240	57	840
JUL													
20...	19	1.0	4.6	55	12	2.9	35	24	310	.900	44	6	1600
AUG													
09...	18	.9	4.8	67	15	2.9	54	25	380	1.1	69	7	1500
SEP													
21...	3.8	.8	2.2	180	1	.4	--o	14	66	3.4	46	8	860
27...	5.9	2.2	5.2	220	7	5.5	83	61	380	2.2	74	18	3900
27...	7.2	2.9	24	170	7	7.6	54	67	360	2.0	89	23	4100
27...	5.7	2.7	6.1	230	2	1.5	79	13	89	3.8	130	21	720
27...	6.7	2.9	8.3	290	2	1.2	130	16	90	4.4	180	21	790
	7.6	2.0	7.5	340	2	.9	91	16	79	4.4	110	22	780

Date	Mercury susrnd sedimnt total, ug/g (29841)	Molyb- denum, susrnd sedimnt total, ug/g (29843)	Nickel, susrnd sedimnt total, ug/g (29845)	Selen- ium, susrnd sedimnt total, ug/g (29847)	Silver, susrnd sedimnt total, ug/g (29850)	Stront- ium, susrnd sedimnt total, ug/g (35040)	Thall- ium, susrnd sedimnt total, ug/g (49955)	Titan- ium, susrnd sedimnt total, percent (30317)	Vanad- ium, susrnd sedimnt total, ug/g (29853)	Zinc, susrnd sedimnt total, ug/g (29855)	Uranium susrnd sedimnt total, ug/g (35046)	Suspnd. conc, flow through cntrfug mg/L (50279)	
OCT													
21...	.07	180	33	M	<.5	76	<50	.031	14	1500	<50	15	
JAN													
13...	.54	160	9	1	16	10	<150	.048	19	410	<150	12	
27...	.74	49	31	4	1	35	<100	.170	68	2800	<100	8	
FEB													
11...	.13	300	5	1	<1	9	<100	.023	12	130	<100	15	
MAR													
11...	.15	210	6	M	3	4	<100	.060	11	120	<100	15	
30...	.53	81	70	12	2	76	<100	.540	140	2400	<100	23	
30...	.62	81	70	12	2	82	<100	.530	130	2300	<100	22	
APR													
13...	--o	260	53	6	<2	400	<150	.190	64	1700	<150	64	
13...	--o	89	68	7	<1	150	<100	.460	130	2000	<100	26	
MAY													
12...	.28	--o	--o	2	2	120	<50	.029	15	2300	<50	8	
26...	.07	680	39	43	<.5	57	<50	.051	34	910	<50	11	
JUN													
22...	.32	110	100	4	<.5	100	<50	.410	160	1600	<50	6	
JUL													
20...	.16	310	38	1	<1	76	<100	.024	13	1200	<100	9	
AUG													
09...	.06	160	46	2	<.5	81	<50	.043	19	1300	<50	9	
SEP													
21...	.18	1	--o	M	<.5	100	<50	.510	84	300	<50	12	
27...	--o	120	36	2	<4	290	<450	.160	42	2800	<450	77	
27...	.14	260	61	3	2	230	<100	.150	38	3200	<100	268	
27...	.39	12	25	2	<1	100	<100	.320	94	500	<100	680	
27...	.35	11	39	1	<1	83	<100	.440	110	520	<100	730	
	.27	8	34	1	<1	95	<100	.540	120	490	<100	918	

**ALTAMAHA RIVER BASIN
2004 Water Year**

02203603 SOUTH RIVER AT SPRINGDALE ROAD, AT ATLANTA, GA—continued.

Remark codes used in this table:

< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

Null value qualifier codes used in this table:

o -- Insufficient amount of water
u -- Unable to determine-matrix interference

Value qualifier codes used in this table:

d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
n -- Below the LRL and above the LT-MDL
t -- Below the long-term MDL